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## ABSTRACT OF THE DISCLOSURE

With a two-unit area placement planning device, the distance between left and right galvano units (unit interval value) A is optimized so that the number of beam scanning and the number of moving the stage are minimized. With an area placement planning device, the area position is optimized so that the number of areas is minimized. With a stage/galvano path planning device, the distance of moving the stage and the distance of scanning by the galvano scanner are shortened by solving a traveling salesman problem. Thus, the working time with a laser drilling machine is shortened.